

What Is Claimed Is:

1 1. A method for configuring a database, comprising: /

2 requesting database configuration information from a directory server that

3 stores configuration information for a plurality of database instances;

4 in response to the request, receiving the database configuration

5 information from the directory server; and

6 automatically configuring the database with the database configuration

7 information received from the directory server;

8 whereby the database server can be installed without manual configuration

9 by a user.

1 2. The method of claim 1, wherein the database is structured as a

2 database server, and wherein the database configuration information includes

3 service-related settings for the database server.

1 3. The method of claim 1, wherein the database configuration option

2 can include:

3 an audit trail;

4 a security model;

5 a security protocol parameter;

6 a maximum sessions parameter;

7 a database block size;

8 an optimization mode parameter; and

9 an OLAP features parameter.

1 4. The method of claim 1, wherein the configuration information can
2 include an Access Control List (ACL), wherein the ACL lists objects and services
3 available on the database server and which hosts have permissions to use the
4 objects and the services.

1 5. The method of claim 1, wherein the directory server is Highly
2 Available (HA).

1 6. The method of claim 1, further comprising caching a local copy of
2 the configuration information to facilitate configuration of the database when the
3 database cannot connect to the directory server.

1 7. The method of claim 1, further comprising:
2 receiving a request for resources at the database from a user;
3 determining if the user is an enterprise user;
4 if so, querying the directory server for a user profile associated with the
5 user;
6 receiving the user profile from the directory server; and
7 allocating resources to the user based on parameters specified in the user
8 profile.

1 8. The method of claim 7, wherein the user profile can include:
2 a CPU quota for the user;
3 a disk quota for the user;

4 a scheduling priority for the user; and
5 a read/write/execute permission for the user.

1 9. The method of claim 1, wherein the database configuration
2 information can define a Security Admin (SA) role for the database.

1 10. The method of claim 1, wherein the database server periodically
2 queries the directory server for updated database configuration information for the
3 database.

1 11. A computer-readable storage medium storing instructions that
2 when executed by a computer cause the computer to perform a method for
3 configuring a database, the method comprising:
4 requesting database configuration information from a directory server that
5 stores configuration information for a plurality of database instances;
6 in response to the request, receiving the database configuration
7 information from the directory server; and
8 automatically configuring the database with the database configuration
9 information received from the directory server;
10 whereby the database server can be installed without manual configuration
11 by a user.

1 12. The computer-readable storage medium of claim 11, wherein the
2 database is structured as a database server, and wherein the database configuration
3 information includes service-related settings for the database server.

1 13. The computer-readable storage medium of claim 11, wherein the
2 database configuration option can include:
3 an audit trail;
4 a security model;
5 a security protocol parameter;
6 a maximum sessions parameter;
7 a database block size;
8 an optimization mode parameter; and
9 an OLAP features parameter.

1 14. The computer-readable storage medium of claim 11, wherein the
2 configuration information can include an Access Control List (ACL), wherein the
3 ACL lists objects and services available on the database server and which hosts
4 have permissions to use the objects and the services.

1 15. The computer-readable storage medium of claim 11, wherein the
2 directory server is Highly Available (HA).

1 16. The computer-readable storage medium of claim 11, wherein the
2 method further comprises caching a local copy of the configuration information to
3 facilitate configuration of the database when the database cannot connect to the
4 directory server.

1 17. The computer-readable storage medium of claim 11, wherein the
2 method further comprises:
3 receiving a request for resources at the database from a user;
4 determining if the user is an enterprise user;
5 if so, querying the directory server for a user profile associated with the
6 user;
7 receiving the user profile from the directory server; and
8 allocating resources to the user based on parameters specified in the user
9 profile.

1 18. The computer-readable storage medium of claim 17, wherein the
2 user profile can include:
3 a CPU quota for the user;
4 a disk quota for the user;
5 a scheduling priority for the user; and
6 a read/write/execute permission for the user.

1 19. The computer-readable storage medium of claim 11, wherein the
2 database configuration information can define a Security Admin (SA) role for the
3 database.

1 20. The computer-readable storage medium of claim 11, wherein the
2 database server periodically queries the directory server for updated database
3 configuration information for the database.

1 21. An apparatus for configuring a database, comprising:
2 a request mechanism configured to request database configuration
3 information from a directory server that stores configuration information for a
4 plurality of database instances;
5 a receiving mechanism configured to receive the database configuration
6 information from the directory server in response to the request; and
7 a configuration mechanism configured to automatically configure the
8 database with the database configuration information received from the directory
9 server.

1 22. The apparatus of claim 21, wherein the database is structured as a
2 database server, and wherein the database configuration information includes
3 service-related settings for the database server.

1 23. The apparatus of claim 21, wherein the database configuration
2 option can include:
3 an audit trail;
4 a security model;
5 a security protocol parameter;
6 a maximum sessions parameter;
7 a database block size;
8 an optimization mode parameter; and
9 an OLAP features parameter.

1 24. The apparatus of claim 21, wherein the configuration information
2 can include an Access Control List (ACL), wherein the ACL lists objects and
3 services available on the database server and which hosts have permissions to use
4 the objects and the services.

1 25. The apparatus of claim 21, wherein the directory server is Highly
2 Available (HA).

1 26. The apparatus of claim 21, further comprising a caching
2 mechanism configured to cache a local copy of the configuration information to
3 facilitate configuration of the database when the database cannot connect to the
4 directory server.

1 27. The apparatus of claim 21, further comprising:
2 a second receiving mechanism configured to receive a request for
3 resources at the database from a user;
4 a determination mechanism configured to determine if the user is an
5 enterprise user;
6 a querying mechanism configured to query the directory server for a user
7 profile associated with the user if the user is an enterprise user;
8 a profile mechanism configured to receive the user profile from the
9 directory server; and
10 an allocation mechanism configured to allocate resources to the user based
11 on parameters specified in the user profile.

1 28. The apparatus of claim 27, wherein the user profile can include:
2 a CPU quota for the user;
3 a disk quota for the user;
4 a scheduling priority for the user; and
5 a read/write/execute permission for the user.

1 29. The apparatus of claim 21, wherein the database configuration
2 information can define a Security Admin (SA) role for the database.

1 30. The apparatus of claim 21, wherein the database server periodically
2 queries the directory server for updated database configuration information for the
3 database.